ABSTRACT

Method and apparatus for optimization of an executable program that calls procedures in a shared library. Code segments that read procedure address information from a linkage table are first identified. Each linkage code segment is associated with a call to a procedure in the shared library, and the address information in the linkage table is associated with the procedures in the shared library. During program execution, the address information is read from the linkage table and substitute code segments are generated for the linkage code segments. Each substitute code segment has direct loads of the address information for calling the associated procedure instead of the original references to the linkage table. Thereafter, the substitute code segments are executed instead of the linkage code segments.